

WHAT IS CLAIMED IS:

1. A speed-changing hydraulic pressure control system for a belt-type continuously variable transmission including a forward clutch, comprising:

5 an engaging pressure regulating device hydraulically connected to the forward clutch to output an engaging pressure for the forward clutch;

an electronically controlled hydraulic pressure control valve hydraulically connected to the engaging pressure regulating device to  
10 output a signal pressure which is able to cause the engaging pressure regulating device to set the engaging pressure;

a control unit electronically connected to the electronically controlled hydraulic pressure control valve to output a control command signal to the electronically controlled hydraulic control valve, the control  
15 command signal causing the electronically controlled hydraulic pressure control valve to output the signal pressure;

wherein the engaging pressure regulating device is arranged to output a minimum value of the engaging pressure in response to a maximum value of the signal pressure output from the electrically  
20 controlled hydraulic pressure control valve, and to output a maximum value of the engaging pressure in response to a minimum value of the signal pressure output from the electrically controlled hydraulic pressure control valve.

25 2. A speed-changing hydraulic pressure control system as claimed in Claim 1, wherein the maximum value of the engaging pressure regulating device is set to be less than a transmission-possible torque capacity for a belt of a belt and pulley assembly.

30 3. A speed-changing hydraulic pressure control system as claimed in Claim 1, wherein the belt-type continuously variable transmission

includes a torque converter having a lock-up clutch by which an engine is directly connected to the forward clutch, the speed-changing hydraulic pressure control system further comprising:

5 a lock-up solenoid valve which outputs a signal pressure for controlling an engagement of the lock-up clutch, the lock-up solenoid valve corresponding to the electronically controlled hydraulic pressure control valve;

10 a lock-up control valve which outputs an engaging pressure for the lock-up clutch, in accordance with the signal pressure of the lock-up solenoid; and

15 a change-over device which establishes a communication between the lock-up solenoid valve and the lock-up control valve when the lock-up clutch is engaged and a communication between the lock-up solenoid valve and the engaging pressure regulating device when the lock-up clutch is released.